

FILE 'HCAPLUS' ENTERED AT 15:46:51 ON 13 JUN 2007  
L1 3316 S (RNA OR (RIBONUCLEIC(W)ACID)) (3A) (PURIFICATION OR ISOLATION)  
L2 190397 S (SODIUM OR POTASSIUM OR LITHIUM) (W) CHLORIDE  
L3 173 S COSMOTROP? OR KOSMOTROP?  
L4 138599 S DETERGENT OR TWEEN OR TRITON OR TERGITOL OR NONIODET  
L5 594 S (SOLID(W) SUPPORT) AND (POLYESTER OR CELLULOSE OR NITROCELLULOSE  
  
FILE 'HCAPLUS' ENTERED AT 15:48:03 ON 13 JUN 2007  
L6 94 S L1 AND (L2 OR L3)  
L7 0 S L6 AND L5  
L8 0 S L7 AND L4  
L9 0 S L8 AND (PY<2002 OR AY<2002 OR PRY<2002)  
  
FILE 'HCAPLUS' ENTERED AT 15:48:52 ON 13 JUN 2007  
L10 3 S L6 AND (SOLID(W) SUPPORT)  
L11 1 S L10 AND L4  
L12 1 S L11 AND (PY<2002 OR AY<2002 OR PRY<2002)  
  
FILE 'STNGUIDE' ENTERED AT 15:49:08 ON 13 JUN 2007  
  
FILE 'HCAPLUS' ENTERED AT 15:49:18 ON 13 JUN 2007  
  
FILE 'STNGUIDE' ENTERED AT 15:49:18 ON 13 JUN 2007  
  
FILE 'HCAPLUS' ENTERED AT 17:06:09 ON 13 JUN 2007  
L13 269518 S POLYESTER  
L14 8822 S SOLID(W) SUPPORT  
L15 43 S L13 AND L14  
L16 34 S L15 AND (PY<2002 OR AY<2002 OR PRY<2002)

=> file hcaplus  
COST IN U.S. DOLLARS  
FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
1.05	1.05

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FILE COVERS 1907 - 13 Jun 2007 VOL 146 ISS 25  
FILE LAST UPDATED: 12 Jun 2007 (20070612/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s (RNA or (ribonucleic(w)acid)) (3a) (purification or isolation)

329136 RNA  
195269 RIBONUCLEIC  
4385112 ACID  
338386 PURIFICATION  
262155 ISOLATION  
L1 3316 (RNA OR (RIBONUCLEIC(W)ACID)) (3A) (PURIFICATION OR ISOLATION)

=> s (sodium or potassium or lithium) (w)chloride

1121239 SODIUM  
636793 POTASSIUM  
325273 LITHIUM  
1146321 CHLORIDE  
L2 190397 (SODIUM OR POTASSIUM OR LITHIUM) (W)CHLORIDE

=> s cosmotrop? or kosmotrop?

15 COSMOTROP?  
158 KOSMOTROP?  
L3 173 COSMOTROP? OR KOSMOTROP?

=> s detergent or tween or triton or tergitol or noniodet

81621 DETERGENT  
21410 TWEEN  
43216 TRITON  
1622 TERGITOL  
3 NONIODET  
L4 138599 DETERGENT OR TWEEN OR TRITON OR TERGITOL OR NONIODET

=> s (solid(w)support) and (polyester or cellulose or nitrocellulose or nylon or polyolefin or polyethersulfone or polyvinylidene)

1080180 SOLID  
487501 SUPPORT  
8822 SOLID(W) SUPPORT  
269518 POLYESTER  
354151 CELLULOSE  
28232 NITROCELLULOSE  
82549 NYLON  
73361 POLYOLEFIN  
2191 POLYETHERSULFONE  
127 POLYVINYLDINE  
L5 594 (SOLID(W) SUPPORT) AND (POLYESTER OR CELLULOSE OR NITROCELLULOSE  
OR NYLON OR POLYOLEFIN OR POLYETHERSULFONE OR POLYVINYLDINE)

=> file stngide

'STNGIDE' IS NOT A VALID FILE NAME  
SESSION CONTINUES IN FILE 'HCAPLUS'

Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files  
that are available. If you have requested multiple files, you can  
specify a corrected file name or you can enter "IGNORE" to continue  
accessing the remaining file names entered.

=> file hcplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	5.20	6.25

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FILE LAST UPDATED: 12 Jun 2007 (20070612/ED)

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This file contains CAS Registry Numbers for easy and accurate  
substance identification.

=> s l1 and (l2 or L3)

L6 94 L1 AND (L2 OR L3)

=> s l6 and l5

L7 0 L6 AND L5

=> s l7 and l4

L8 0 L7 AND L4

=> s l8 and (PY<2002 or AY<2002 or PRY<2002)

21897377 PY<2002  
4174519 AY<2002  
3645878 PRY<2002  
L9 0 L8 AND (PY<2002 OR AY<2002 OR PRY<2002)

=> file stngide

'STNGIDE' IS NOT A VALID FILE NAME  
SESSION CONTINUES IN FILE 'HCAPLUS'  
Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files  
that are available. If you have requested multiple files, you can  
specify a corrected file name or you can enter "IGNORE" to continue  
accessing the remaining file names entered.

=> file hcaplus  
COST IN U.S. DOLLARS  
FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
2.60	8.85

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FILE COVERS 1907 - 13 Jun 2007 VOL 146 ISS 25  
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New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate  
substance identification.

=> s 16 and (solid(w) support)

1080180 SOLID  
487501 SUPPORT  
8822 SOLID(W) SUPPORT  
L10 3 L6 AND (SOLID(W) SUPPORT)

=> s 110 and 14

L11 1 L10 AND L4

=> s 111 and (PY<2002 or AY<2002 or PRY<2002)

21897377 PY<2002  
4174519 AY<2002  
3645878 PRY<2002  
L12 1 L11 AND (PY<2002 OR AY<2002 OR PRY<2002)

=> file stngide

'STNGIDE' IS NOT A VALID FILE NAME  
SESSION CONTINUES IN FILE 'HCAPLUS'

Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files that are available. If you have requested multiple files, you can specify a corrected file name or you can enter "IGNORE" to continue accessing the remaining file names entered.

=> file stnguide

COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
2.60	11.45

FULL ESTIMATED COST

FILE 'STNGUIDE' ENTERED AT 15:49:08 ON 13 JUN 2007

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FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Jun 8, 2007 (20070608/UP).

=> d 110 1-3 ti abs bib

YOU HAVE REQUESTED DATA FROM FILE 'HCAPLUS' - CONTINUE? (Y)/N:y

L10 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN

TI Locked nucleic acid capture probes for isolation of homopolymeric nucleotide sequences and use in diagnosis of viral infections in humans

AB This invention presents methods and use of locked nucleic acid capture probes for isolation of homopolymeric nucleotide sequences and use in diagnosis of viral infections in humans. A method for isolating nucleic acid mols. having a repeating nucleotide sequence or a homopolymeric nucleotide sequence, e.g. a poly A stretch, is described. In particular, the method uses oligomeric capture probes spiked with various amts. of locked nucleic acid (LNA). The invention further describes methods for the isolation of RNA mols., for example polyadenylated mRNA mols., which overcome the problems of rapid RNA degradation during isolation and anal. of such nucleic acid mols. This is of major clin. and diagnostic importance, especially when dealing with RNA viruses, such as retroviruses or when analyzing rare or low-abundant mRNAs or mRNAs from biopsies or tissues enriched with RNases.

AN 2004:203927 HCAPLUS <<LOGINID::20070613>>

DN 140:265567

TI Locked nucleic acid capture probes for isolation of homopolymeric nucleotide sequences and use in diagnosis of viral infections in humans

IN Kauppinen, Sakari; Jacobsen, Nana

PA Exiqon A/S, Den.

SO PCT Int. Appl., 104 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004020575	A2	20040311	WO 2003-IB6354	20030620
	WO 2004020575	A3	20041223		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,			

BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  
 AU 2003288474 A1 20040319 AU 2003-288474 20030620  
 US 2005053942 A1 20050310 US 2003-601140 20030620  
 EP 1527175 A2 20050504 EP 2003-780549 20030620  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK  
 PRAI US 2002-390928P P 20020624  
 WO 2003-IB6354 W 20030620

L10 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN  
 TI Methods and kits for isolating nucleic acids from leukocytes by binding to  
 antibodies on a solid support  
 AB The present invention relates to a method of isolating nucleic acid from a  
 blood sample. The method involves selectively isolating leukocytes from  
 said sample by binding said leukocytes to a solid  
 support containing a binding partner specific for the leukocyte, for  
 example an antibody. The antibody can bind an antigen selected from one  
 of more of the following: HLA-I, CD11a, CD18, CD45, CD46, CD50, CD82,  
 CD162, CD5 and CD15 and a specific example shows a combination of CD45 and  
 CD15. The said leukocytes are lysed in detergents to release nucleic  
 acids which are subsequently bound to a second solid  
 support which is neg. charged. Kits for isolating nucleic acid  
 from samples form further embodiments of the invention.  
 AN 2001:904506 HCAPLUS <<LOGINID::20070613>>  
 DN 136:15912  
 TI Methods and kits for isolating nucleic acids from leukocytes by binding to  
 antibodies on a solid support  
 IN Bergholtz, Stine; Korsnes, Lars; Andreassen, Jack  
 PA Dynal Biotech Asa, Norway; Jones, Elizabeth Louise  
 SO PCT Int. Appl., 51 pp.  
 CODEN: PIXXD2

DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001094572	A1	20011213	WO 2001-GB2472	20010605
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2410888	A1	20011213	CA 2001-2410888	20010605
	EP 1290155	A1	20030312	EP 2001-934205	20010605
	EP 1290155	B1	20060809		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	AT 335815	T	20060915	AT 2001-934205	20010605
	US 2003180754	A1	20030925	US 2003-297301	20030430
PRAI	GB 2000-13658	A	20000605		
	WO 2001-GB2472	W	20010605		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2007 ACS on STN  
 TI Methods and compositions for isolating nucleic acids  
 AB Compns. and methods are disclosed for isolating nucleic acids from biol.  
 tissues and cells (including tumor cells) and for tissue/cell  
 solubilization for other mol. biol. uses, wherein the compns. comprise, in  
 part, novel combinations of chaotropic agents and aromatic alcs. which act

synergistically to effect better tissue/protein solubilization. The inventive compns. further include aprotic solvents for deactivation of RNases and denaturation of proteins, as well as detergents for enhancing cell lysis and nucleoprotein dissociation. The inventive methods also comprise the use of a centrifuge, a solid-support matrix, and a microporous membrane for final isolation of the precipitated nucleic acids, resulting in high yield and purity of the precipitated nucleic acid.

AN 1997:400479 HCAPLUS <<LOGINID::20070613>>  
 DN 127:78238  
 TI Methods and compositions for isolating nucleic acids  
 IN Wiggins, James C.  
 PA USA  
 SO U.S., 15 pp.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 5637687	A	19970610	US 1993-115184	19930831
PRAI US 1993-115184		19930831		

=> d his

(FILE 'HOME' ENTERED AT 15:43:41 ON 13 JUN 2007)

FILE 'HCAPLUS' ENTERED AT 15:46:51 ON 13 JUN 2007

L1 3316 S (RNA OR (RIBONUCLEIC(W)ACID)) (3A) (PURIFICATION OR ISOLATION)  
 L2 190397 S (SODIUM OR POTASSIUM OR LITHIUM) (W)CHLORIDE  
 L3 173 S COSMOTROP? OR KOSMOTROP?  
 L4 138599 S DETERGENT OR TWEEN OR TRITON OR TERGITOL OR NONIODET  
 L5 594 S (SOLID(W)SUPPORT) AND (POLYESTER OR CELLULOSE OR NITROCELLULO

FILE 'HCAPLUS' ENTERED AT 15:48:03 ON 13 JUN 2007

L6 94 S L1 AND (L2 OR L3)  
 L7 0 S L6 AND L5  
 L8 0 S L7 AND L4  
 L9 0 S L8 AND (PY<2002 OR AY<2002 OR PRY<2002)

FILE 'HCAPLUS' ENTERED AT 15:48:52 ON 13 JUN 2007

L10 3 S L6 AND (SOLID(W)SUPPORT)  
 L11 1 S L10 AND L4  
 L12 1 S L11 AND (PY<2002 OR AY<2002 OR PRY<2002)

FILE 'STNGUIDE' ENTERED AT 15:49:08 ON 13 JUN 2007

FILE 'HCAPLUS' ENTERED AT 15:49:18 ON 13 JUN 2007

FILE 'STNGUIDE' ENTERED AT 15:49:18 ON 13 JUN 2007

=> log hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.06	22.66
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.34

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 15:49:42 ON 13 JUN 2007

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTAEX01623

PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*  
SESSION RESUMED IN FILE 'STNGUIDE' AT 17:05:10 ON 13 JUN 2007  
FILE 'STNGUIDE' ENTERED AT 17:05:10 ON 13 JUN 2007  
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.06	22.66
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.34
 => file hcaplus		
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.18	22.78
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.34

FILE 'HCAPLUS' ENTERED AT 17:06:09 ON 13 JUN 2007  
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FILE LAST UPDATED: 12 Jun 2007 (20070612/ED)

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=> s polyester

L13 269518 POLYESTER

=> s solid(w) support

1080180 SOLID  
487501 SUPPORT

L14 8822 SOLID(W) SUPPORT

=> s L13 and L14

L15 43 L13 AND L14

=> s L15 and (PY<2002 or AY<2002 or PRY<2002)

21897377 PY<2002

4174519 AY<2002

3645878 PRY<2002

L16 34 L15 AND (PY<2002 OR AY<2002 OR PRY<2002)

=> file stnguide

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.60	25.38
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.34

FILE 'STNGUIDE' ENTERED AT 17:06:15 ON 13 JUN 2007

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FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Jun 8, 2007 (20070608/UP).

=> file hcplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.06	25.44
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.34

FILE 'HCPLUS' ENTERED AT 17:06:53 ON 13 JUN 2007

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FILE COVERS 1907 - 13 Jun 2007 VOL 146 ISS 25

FILE LAST UPDATED: 12 Jun 2007 (20070612/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l16 and ((nucleic(w)acid) or RNA or DNA)

198782 NUCLEIC  
4385112 ACID

<-----User Break----->

SEARCH ENDED BY USER

=> file stnguide

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.80	33.24
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.34

FILE 'STNGUIDE' ENTERED AT 17:08:28 ON 13 JUN 2007  
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FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Jun 8, 2007 (20070608/UP).

=> file hcplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.06	33.30
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.34

FILE 'HCAPLUS' ENTERED AT 17:08:30 ON 13 JUN 2007  
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FILE COVERS 1907 - 13 Jun 2007 VOL 146 ISS 25  
FILE LAST UPDATED: 12 Jun 2007 (20070612/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 116 and ((nucleic(w)acid) or RNA or DNA)

198782 NUCLEIC .

<-----User Break----->

SEARCH ENDED BY USER

=> file stnguide

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.60	35.90
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.34

FILE 'STNGUIDE' ENTERED AT 17:08:40 ON 13 JUN 2007  
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FILE CONTAINS CURRENT INFORMATION.  
 LAST RELOADED: Jun 8, 2007 (20070608/UP).

=> file hcplus		
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.06	35.96
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.34

FILE 'HCPLUS' ENTERED AT 17:08:49 ON 13 JUN 2007  
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New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l16 and (nucleic or RNA or DNA)

198782 NUCLEIC  
 329136 RNA  
 834191 DNA

L17 5 L16 AND (NUCLEIC OR RNA OR DNA)

=> file stnguide

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.60	38.56
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION

CA SUBSCRIBER PRICE

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-2.34

FILE 'STNGUIDE' ENTERED AT 17:08:51 ON 13 JUN 2007  
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FILE CONTAINS CURRENT INFORMATION.  
LAST RELOADED: Jun 8, 2007 (20070608/UP).

=> d 17 1-5 ti  
L7 HAS NO ANSWERS  
L1 3316 SEA FILE=HCAPLUS (RNA OR (RIBONUCLEIC(W)ACID)) (3A) (PURIFICATION  
OR ISOLATION)  
L2 190397 SEA FILE=HCAPLUS (SODIUM OR POTASSIUM OR LITHIUM) (W)CHLORIDE  
L3 173 SEA FILE=HCAPLUS COSMOTROP? OR KOSMOTROP?  
L5 594 SEA FILE=HCAPLUS (SOLID(W)SUPPORT) AND (POLYESTER OR CELLULOSE  
OR NITROCELLULOSE OR NYLON OR POLYOLEFIN OR POLYETHERSULFONE  
OR POLYVINYLDINE)  
L6 94 SEA FILE=HCAPLUS L1 AND (L2 OR L3)  
L7 0 SEA FILE=HCAPLUS L6 AND L5

=> y  
Y IS NOT A RECOGNIZED COMMAND  
The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (=>).

=> d 117 1-5 ti  
YOU HAVE REQUESTED DATA FROM FILE 'HCAPLUS' - CONTINUE? (Y)/N:y

L17 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN  
TI High-density cell microarrays for parallel functional determinations  
  
L17 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN  
TI Methods, reagents and kits for isolating RNA from environmental  
or biological samples  
  
L17 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN  
TI An  $\alpha$ -proteobacterium converts linear alkylbenzenesulfonate  
surfactants into sulfophenylcarboxylates and linear  
alkyldiphenyletherdisulfonate surfactants into  
sulfodiphenylethercarboxylates  
  
L17 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN  
TI Application of membrane-based dendrimer/DNA complexes for solid  
phase transfection in vitro and in vivo  
  
L17 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN  
TI Multistep isolation processes of DNA from biological samples for  
further characterization

=> d 117 1-5 ti abs bib  
YOU HAVE REQUESTED DATA FROM FILE 'HCAPLUS' - CONTINUE? (Y)/N:y

L17 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN  
TI High-density cell microarrays for parallel functional determinations  
AB Disclosed are methods for generating high-d. cell microarrays. The  
methods generally involve forming nanocraters on a permeable membrane

surface and inoculating the nanocraters with cells, proteins, or other mols. Specifically, the generation of nanocraters, a pit, depression, or indentation in a membrane material or other deformable solid support with a volume that is on the scale of nano-liters or pico-liters, in particular, ranging in size from about 100 pico-liters to 1.5 nano-liters on permeable membranes, allows for the creation of high-d. cell microarrays. The high-d. microarrays of the invention are useful for large-scale, high throughput phenotypic detns. of gene activities.

AN 2003:417944 HCAPLUS <<LOGINID::20070613>>

DN 138:397227

TI High-density cell microarrays for parallel functional determinations

IN Xu, C. Wilson

PA Sloan-Kettering Institute for Cancer Research, USA

SO PCT Int. Appl., 29 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003044484	A2	20030530	WO 2002-US36979	20021115 <--
	WO 2003044484	A3	20030821		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2002352778	A1	20030610	AU 2002-352778	20021115 <--
	US 2005014155	A1	20050120	US 2004-495521	20040513 <--
PRAI	US 2001-331502P	P	20011116 <--		
	WO 2002-US36979	W	20021115		

L17 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN

TI Methods, reagents and kits for isolating RNA from environmental or biological samples

AB Reagents, methods and kits for the purification of RNA from biol. or environmental samples are provided. The method comprises mixing said material with an RNA binding solution buffered at a pH of greater than 7 wherein the RNA binding solution comprises an RNA complexing salt from strong chaotropic agents. RNA is bound to non-silica solid support selected from cellulose, cellulose acetate, nitrocellulose, nylon, polyester, polyethersulfone, polyolefin, or polyvinylidene fluoride. The non-silica solid support is contained in a vessel such as centrifuge tubes, spin tubes, syringes, cartridges, chambers, multiple well plates and test tubes.

AN 2003:300642 HCAPLUS <<LOGINID::20070613>>

DN 138:317132

TI Methods, reagents and kits for isolating RNA from environmental or biological samples

IN Heath, Ellen M.; Wages, John M.

PA USA

SO U.S. Pat. Appl. Publ., 14 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

PI	US 2003073830	A1	20030417	US 2001-974798	20011012 <--
	CA 2463317	A1	20030424	CA 2001-2463317	20011012 <--
	WO 2003033739	A1	20030424	WO 2001-US32073	20011012 <--
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2002211719	A1	20030428	AU 2002-211719	20011012 <--
	EP 1438426	A1	20040721	EP 2001-979794	20011012 <--
	R: AT, BE, CH, DE, DK, ES, FR, IE, SI, LT, LV, FI, RO, MK		GB, GR, IT, LI, LU, NL, SE, MC, PT, CY, AL, TR		
	JP 2005505305	T	20050224	JP 2003-536461	20011012 <--
	US 2004019196	A1	20040129	US 2003-418194	20030416 <--
	US 7148343	B2	20061212		
	US 2005032105	A1	20050210	US 2004-909724	20040802 <--
	US 2007043216	A1	20070222	US 2006-589364	20061030 <--
PRAI	US 2001-974798	A	20011012	<--	
	WO 2001-US32073	W	20011012	<--	
	US 2003-418194	A2	20030416		

L17 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2007 ACS on STN

TI An  $\alpha$ -proteobacterium converts linear alkylbenzenesulfonate surfactants into sulfophenylcarboxylates and linear alkyldiphenyletherdisulfonate surfactants into sulfodiphenylethercarboxylates

AB The surfactant linear alkylbenzenesulfonate (LAS; 0.5 mM) or linear monoalkyldiphenyletherdisulfonate (LADPEDS; 0.5 mM) in salts medium was easily degraded in laboratory trickling filters, whereas carbon-limited, aerobic

enrichment cultures in suspended culture with the same inocula did not grow. When portions of the trickling filters which degraded LADPEDS were taken, the organisms were shook from the solid support (polyester), it was found that growth in suspended culture in LADPEDS-salts medium occurred only in the presence of some solid support (polyester fleece or glass wool), though little biomass was immobilized on the support. The end products in suspended culture were identical with those from the trickling filters. There was low plating efficiency of LADPEDS-grown cultures on complex medium, and no picked colony or mixture of colonies grew in LADPEDS-salts-glass wool medium. However, selective plates containing LADPEDS-salts medium solidified with agarose yielded LADPEDS-dependent, pinpoint colonies which could be picked singly and subcultured in selective liquid medium. Isolate DS-1 was a bacterium which showed 93% sequence homol. (16S ribosomal DNA) to its nearest phylogenetic neighbor, an  $\alpha$ -proteobacterium. Strain DS-1 grew heterotrophically in LADPEDS-salts-glass wool medium and converted the set of aryl-substituted alkanes to the corresponding aryl-substituted carboxylic acids of shorter chain length. Similarly, strain DS-1 grew heterotrophically with com. LAS, converting it to a set of sulfophenylcarboxylates. Growth with a single isomer of LAS [3-(4-sulfophenyl)dodecane] was concomitant with excretion of 4-(4-sulfophenyl)hexanoate, which was identified by matrix-assisted laser desorption ionization mass spectrometry. The growth yield (6.4 g of protein/mol of C) indicated mass balance, which, with the specific growth rate (0.05 h<sup>-1</sup>), indicated a specific utilization rate of LAS of 2.2 mkat/kg of protein.

AN 2000:309662 HCAPLUS <<LOGINID::20070613>>

DN 133:86580

TI An  $\alpha$ -proteobacterium converts linear alkylbenzenesulfonate

surfactants into sulfophenylcarboxylates and linear  
alkyldiphenyletherdisulfonate surfactants into  
sulfodiphenylethercarboxylates

AU Schleheck, David; Dong, Wenbo; Denger, Karin; Heinzle, Elmar; Cook, Alasdair M.

CS Department of Biology, The University, Konstanz, D-78457, Germany

SO Applied and Environmental Microbiology (2000), 66(5), 1911-1916

CODEN: AEMIDF; ISSN: 0099-2240

PB American Society for Microbiology

DT Journal

LA English

RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 4 OF 5 HCPLUS COPYRIGHT 2007 ACS on STN

TI Application of membrane-based dendrimer/DNA complexes for solid  
phase transfection in vitro and in vivo

AB In this study a general description of the use of solid  
support membranes as the device for DNA delivery  
mediated by PAMAM dendrimers is presented. In contrast to the other  
DNA carriers, dendrimer/DNA complexes retain the ability  
to transfect after drying, which enabled coating or incorporation of  
complexes into poly(DL-lactide-co-glycolide) or collagen-based bioerodible  
membranes. These studies provide support for the use of this technol. for  
in vitro and in vivo transfection of skin cells. Expression of luciferase  
or green fluorescent protein from pCF1-Luc and pEGFP1 plasmids indicated  
that dendrimer/DNA complexes can mediate transfection after  
dissociation from the solid support and/or when retained  
on the surface of the membranes. Modification of the membranes by  
incorporation of an anionic lipid, phosphatidyl glycerol (PG) at 1-5%  
concns., resulted in more efficient in situ transfection, particularly  
with dendrimer/DNA complexes formed at the low charge ratios  
(1-5). We also report data supporting the feasibility of membrane-based  
dendrimer/DNA complexes, particularly formed at lower than  
neutralizing conditions, for topical in vivo delivery of DNA to  
hairless mouse skin.

AN 2000:202322 HCPLUS <<LOGINID::20070613>>

DN 133:63726

TI Application of membrane-based dendrimer/DNA complexes for solid  
phase transfection in vitro and in vivo

AU Bielinska, Anna U.; Yen, Ann; Wu, Huai Liang; Zahos, Kathleen M.; Sun,  
Rong; Weiner, Norman D.; Baker, James R., Jr.; Roessler, Blake J.

CS Department of Internal Medicine, University of Michigan Health System, Ann  
Arbor, MI, 48109, USA

SO Biomaterials (2000), 21(9), 877-887

CODEN: BIMADU; ISSN: 0142-9612

PB Elsevier Science Ltd.

DT Journal

LA English

RE.CNT 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 5 OF 5 HCPLUS COPYRIGHT 2007 ACS on STN

TI Multistep isolation processes of DNA from biological samples for  
further characterization

AB The invention concerns a multistep isolation process of DNA from  
biol. samples for further characterization and/or amplification. Samples  
are contacted with a solid surface for DNA/RNA  
adsorption; the adsorbed DNA/RNA is washed and eluted  
with an alkaline buffer containing chelating agent. The solid  
support can be heated to 60°C. The solid  
support is a tube, a multiple-well plate etc., made of glass  
fiber, polyester, cellulose acetate, etc. Enzymic digestion can  
be carried out in conjunction with the purification Biol. materials include

eukaryotic, prokaryotic cells, microorganism, body fluids, environmental samples etc.

AN 1999:495423 HCAPLUS <<LOGINID::20070613>>

DN 131:126383

TI Multistep isolation processes of DNA from biological samples for further characterization

IN Heath, Ellen M.; Shuman, Ruth M.

PA Gentra Systems, Inc., USA

SO PCT Int. Appl., 71 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9939009	A1	19990805	WO 1999-US2189	19990202 <--
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2319665	A1	19990805	CA 1999-2319665	19990202 <--
	AU 9926548	A	19990816	AU 1999-26548	19990202 <--
	EP 1053357	A1	20001122	EP 1999-906702	19990202 <--
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2003529314	T	20031007	JP 2000-529466	19990202 <--
	AU 2003204434	A1	20030626	AU 2003-204434	20030529 <--
	AU 2007200486	A1	20070222	AU 2007-200486	20070205 <--
PRAI	US 1998-17143	A	19980202	<--	
	US 1998-17144	A	19980202	<--	
	AU 1999-26548	A3	19990202	<--	
	WO 1999-US2189	W	19990202	<--	
	AU 2003-204434	A3	20030529		

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 15:43:41 ON 13 JUN 2007)

FILE 'HCAPLUS' ENTERED AT 15:46:51 ON 13 JUN 2007

L1 3316 S (RNA OR (RIBONUCLEIC(W)ACID)) (3A) (PURIFICATION OR ISOLATION)

L2 190397 S (SODIUM OR POTASSIUM OR LITHIUM) (W) CHLORIDE

L3 173 S COSMOTROP? OR KOSMOTROP?

L4 138599 S DETERGENT OR TWEEN OR TRITON OR TERGITOL OR NONIODET

L5 594 S (SOLID(W) SUPPORT) AND (POLYESTER OR CELLULOSE OR NITROCELLULO

FILE 'HCAPLUS' ENTERED AT 15:48:03 ON 13 JUN 2007

L6 94 S L1 AND (L2 OR L3)

L7 0 S L6 AND L5

L8 0 S L7 AND L4

L9 0 S L8 AND (PY<2002 OR AY<2002 OR PRY<2002)

FILE 'HCAPLUS' ENTERED AT 15:48:52 ON 13 JUN 2007

L10 3 S L6 AND (SOLID(W) SUPPORT)

L11 1 S L10 AND L4

L12 1 S L11 AND (PY<2002 OR AY<2002 OR PRY<2002)

FILE 'STNGUIDE' ENTERED AT 15:49:08 ON 13 JUN 2007

FILE 'HCAPLUS' ENTERED AT 15:49:18 ON 13 JUN 2007  
 FILE 'STNGUIDE' ENTERED AT 15:49:18 ON 13 JUN 2007  
 FILE 'HCAPLUS' ENTERED AT 17:06:09 ON 13 JUN 2007  
 L13 269518 S POLYESTER  
 L14 8822 S SOLID(W) SUPPORT  
 L15 43 S L13 AND L14  
 L16 34 S L15 AND (PY<2002 OR AY<2002 OR PRY<2002)  
 FILE 'STNGUIDE' ENTERED AT 17:06:15 ON 13 JUN 2007  
 FILE 'HCAPLUS' ENTERED AT 17:06:53 ON 13 JUN 2007  
 FILE 'STNGUIDE' ENTERED AT 17:08:28 ON 13 JUN 2007  
 FILE 'HCAPLUS' ENTERED AT 17:08:30 ON 13 JUN 2007  
 FILE 'STNGUIDE' ENTERED AT 17:08:40 ON 13 JUN 2007  
 FILE 'HCAPLUS' ENTERED AT 17:08:49 ON 13 JUN 2007  
 L17 5 S L16 AND (NUCLEIC OR RNA OR DNA)  
 FILE 'STNGUIDE' ENTERED AT 17:08:51 ON 13 JUN 2007  
 FILE 'HCAPLUS' ENTERED AT 17:09:10 ON 13 JUN 2007  
 FILE 'STNGUIDE' ENTERED AT 17:09:11 ON 13 JUN 2007  
 FILE 'HCAPLUS' ENTERED AT 17:09:34 ON 13 JUN 2007  
 FILE 'STNGUIDE' ENTERED AT 17:09:34 ON 13 JUN 2007

=> log hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.06	59.79
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-6.24

SESSION WILL BE HELD FOR 120 MINUTES  
 STN INTERNATIONAL SESSION SUSPENDED AT 17:09:39 ON 13 JUN 2007

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTAEXO1623

PASSWORD:  
 \* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*  
 SESSION RESUMED IN FILE 'STNGUIDE' AT 17:56:06 ON 13 JUN 2007  
 FILE 'STNGUIDE' ENTERED AT 17:56:06 ON 13 JUN 2007  
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.06	59.79

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
	0.00	-6.24
=> file hcaplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	0.12	59.85
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
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FILE 'HCAPLUS' ENTERED AT 17:57:27 ON 13 JUN 2007  
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FILE COVERS 1907 - 13 Jun 2007 VOL 146 ISS 25  
 FILE LAST UPDATED: 12 Jun 2007 (20070612/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s (lithium(w)chloride) and (RNA(3a)(puriicat? or isolat?)) and (solid(w)support)

325273 LITHIUM		
1146321 CHLORIDE		
22178 LITHIUM(W)CHLORIDE		
329136 RNA		
0 PURIICAT?		
1134181 ISOLAT?		
12960 RNA(3A) (PURIICAT? OR ISOLAT?)		
1080180 SOLID		
487501 SUPPORT		
8822 SOLID(W) SUPPORT		
L18 4 (LITHIUM(W)CHLORIDE) AND (RNA(3A) (PURIICAT? OR ISOLAT?)) AND (SOLID(W) SUPPORT)		

=> file stnguide

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
	0.00	-6.24

FILE 'STNGUIDE' ENTERED AT 17:57:29 ON 13 JUN 2007

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FILE CONTAINS CURRENT INFORMATION.  
LAST RELOADED: Jun 8, 2007 (20070608/UP).

=> d 118 1-3 ti abs bib  
YOU HAVE REQUESTED DATA FROM FILE 'HCAPLUS' - CONTINUE? (Y)/N:y

L18 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2007 ACS on STN  
TI Locked nucleic acid capture probes for isolation of homopolymeric nucleotide sequences and use in diagnosis of viral infections in humans  
AB This invention presents methods and use of locked nucleic acid capture probes for isolation of homopolymeric nucleotide sequences and use in diagnosis of viral infections in humans. A method for isolating nucleic acid mols. having a repeating nucleotide sequence or a homopolymeric nucleotide sequence, e.g. a poly A stretch, is described. In particular, the method uses oligomeric capture probes spiked with various amts. of locked nucleic acid (LNA). The invention further describes methods for the isolation of RNA mols., for example polyadenylated mRNA mols., which overcome the problems of rapid RNA degradation during isolation and anal. of such nucleic acid mols. This is of major clin. and diagnostic importance, especially when dealing with RNA viruses, such as retroviruses or when analyzing rare or low-abundant mRNAs or mRNAs from biopsies or tissues enriched with RNases.

AN 2004:203927 HCAPLUS <<LOGINID::20070613>>

DN 140:265567

TI Locked nucleic acid capture probes for isolation of homopolymeric nucleotide sequences and use in diagnosis of viral infections in humans

IN Kauppinen, Sakari; Jacobsen, Nana

PA Exiqon A/S, Den.

SO PCT Int. Appl., 104 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004020575	A2	20040311	WO 2003-IB6354	20030620
	WO 2004020575	A3	20041223		
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2003288474	A1	20040319	AU 2003-288474	20030620
	US 2005053942	A1	20050310	US 2003-601140	20030620
	EP 1527175	A2	20050504	EP 2003-780549	20030620
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
PRAI	US 2002-390928P	P	20020624		
	WO 2003-IB6354	W	20030620		

L18 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 2007 ACS on STN

TI Methods, reagents and kits for isolating RNA from environmental or biological samples

AB Reagents, methods and kits for the purification of RNA from biol. or

environmental samples are provided. The method comprises mixing said material with an RNA binding solution buffered at a pH of greater than 7 wherein the RNA binding solution comprises an RNA complexing salt from strong chaotropic agents. RNA is bound to non-silica solid support selected from cellulose, cellulose acetate, nitrocellulose, nylon, polyester, polyethersulfone, polyolefin, or polyvinylidene fluoride. The non-silica solid support is contained in a vessel such as centrifuge tubes, spin tubes, syringes, cartridges, chambers, multiple well plates and test tubes.

AN 2003:300642 HCAPLUS <<LOGINID::20070613>>

DN 138:317132

TI Methods, reagents and kits for isolating RNA from environmental or biological samples

IN Heath, Ellen M.; Wages, John M.

PA USA

SO U.S. Pat. Appl. Publ., 14 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003073830	A1	20030417	US 2001-974798	20011012
	CA 2463317	A1	20030424	CA 2001-2463317	20011012
	WO 2003033739	A1	20030424	WO 2001-US32073	20011012
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L18 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2007 ACS on STN

TI Methods and kits for isolating nucleic acids from leukocytes by binding to antibodies on a solid support

AB The present invention relates to a method of isolating nucleic acid from a blood sample. The method involves selectively isolating leukocytes from said sample by binding said leukocytes to a solid support containing a binding partner specific for the leukocyte, for example an antibody. The antibody can bind an antigen selected from one of more of the following: HLA-I, CD11a, CD18, CD45, CD46, CD50, CD82, CD162, CD5 and CD15 and a specific example shows a combination of CD45 and CD15. The said leukocytes are lysed in detergents to release nucleic acids which are subsequently bound to a second solid support which is neg. charged. Kits for isolating nucleic acid from samples form further embodiments of the invention.

AN 2001:904506 HCAPLUS <<LOGINID::20070613>>

DN 136:15912

TI Methods and kits for isolating nucleic acids from leukocytes by binding to antibodies on a solid support  
IN Bergholtz, Stine; Korsnes, Lars; Andreassen, Jack  
PA Dynal Biotech Asa, Norway; Jones, Elizabeth Louise  
SO PCT Int. Appl., 51 pp.  
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

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RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT